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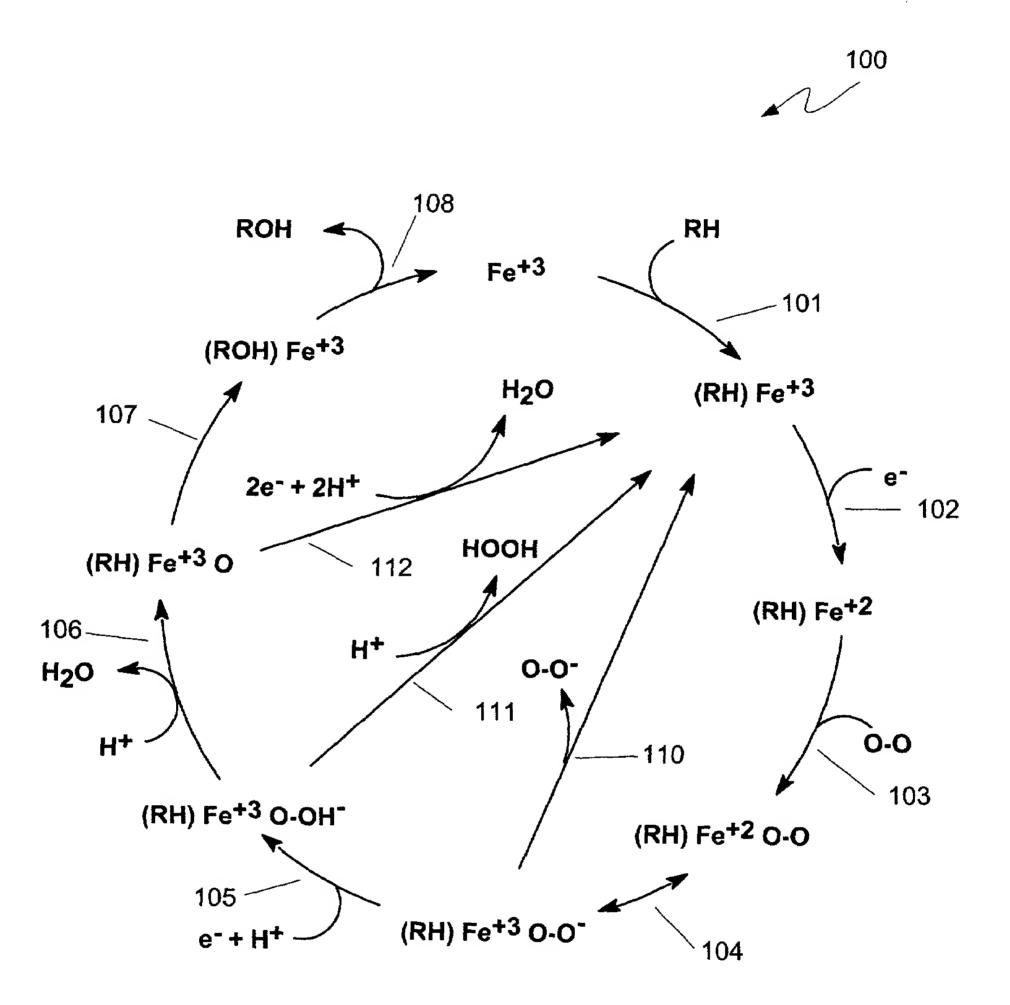


FIGURE 1

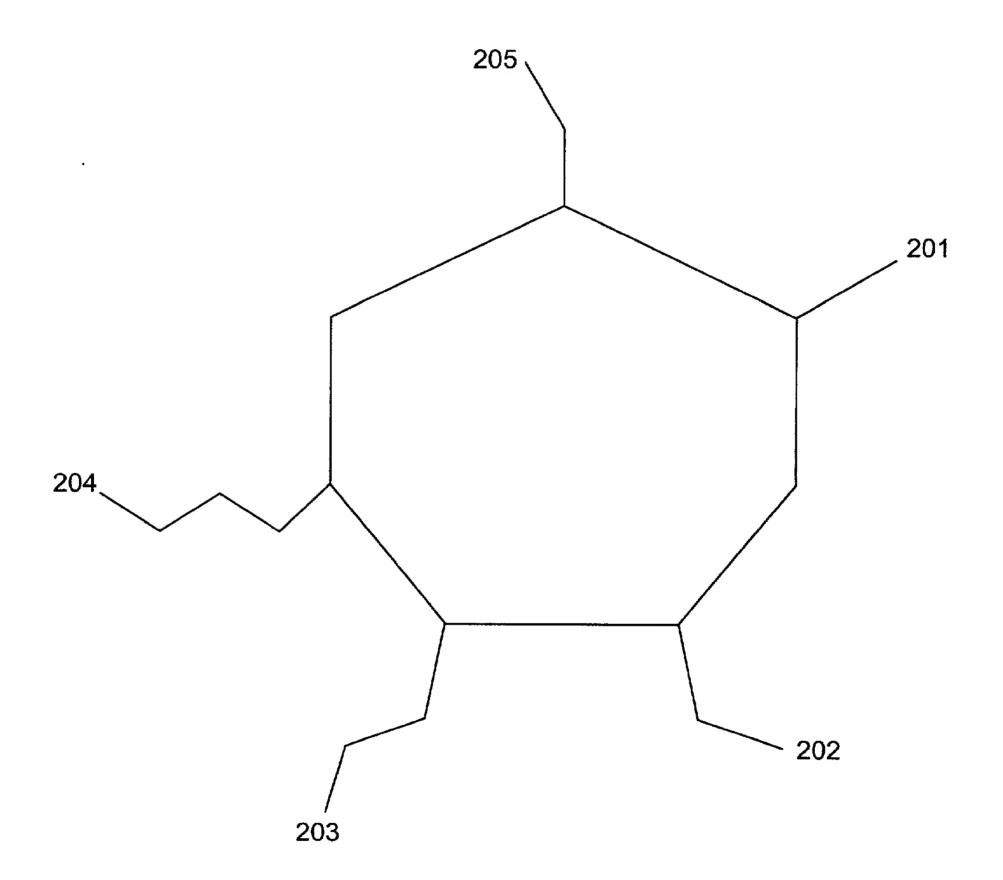


FIG. 2

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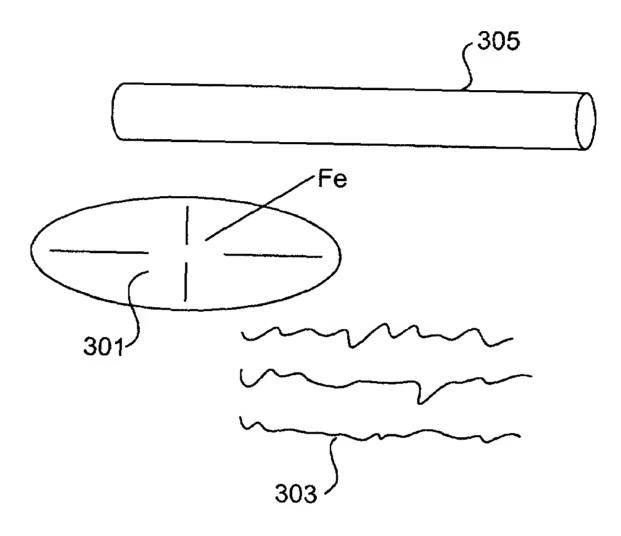


FIGURE 3A

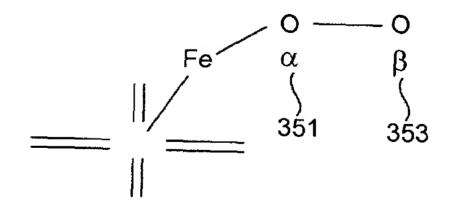
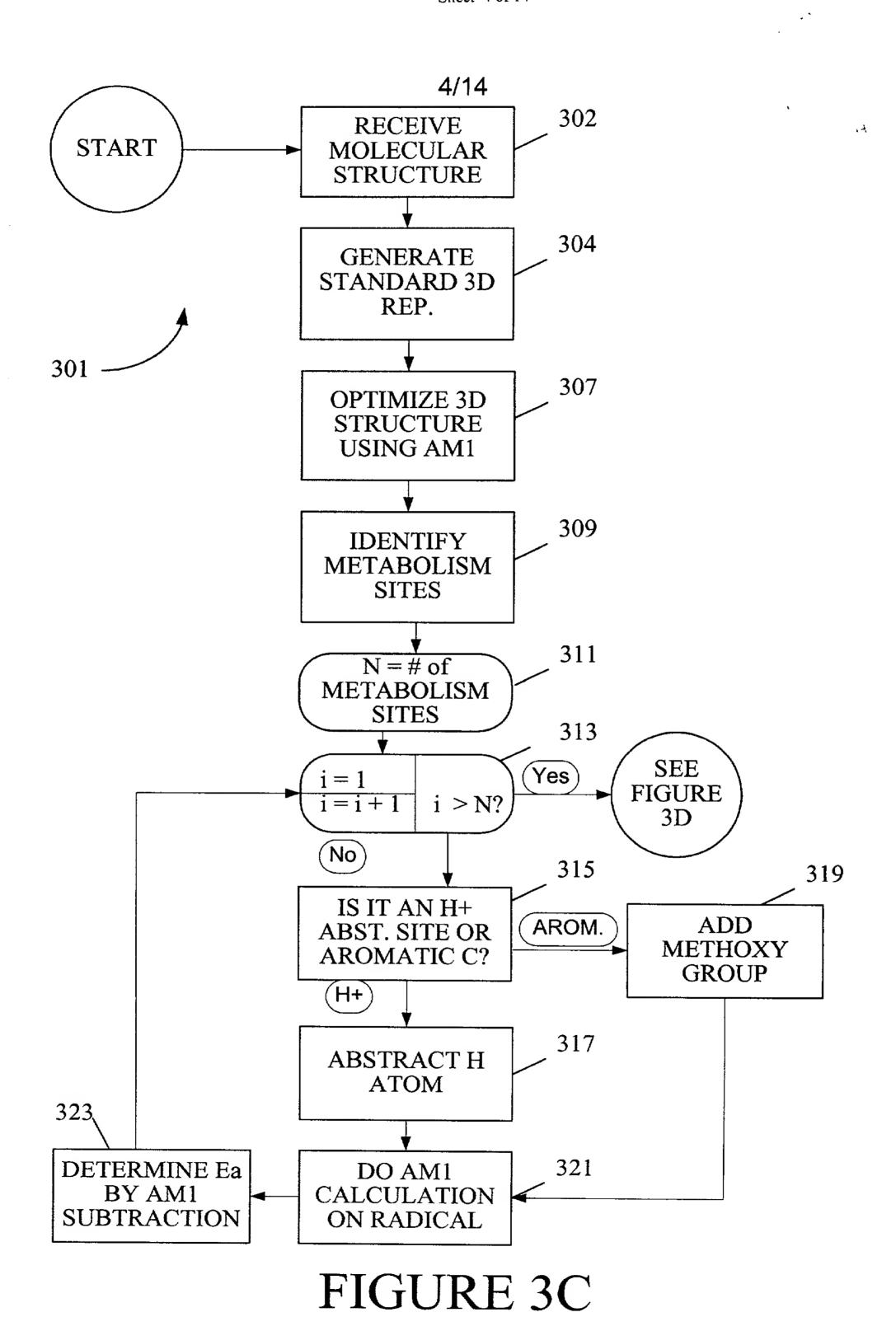


FIGURE 3B



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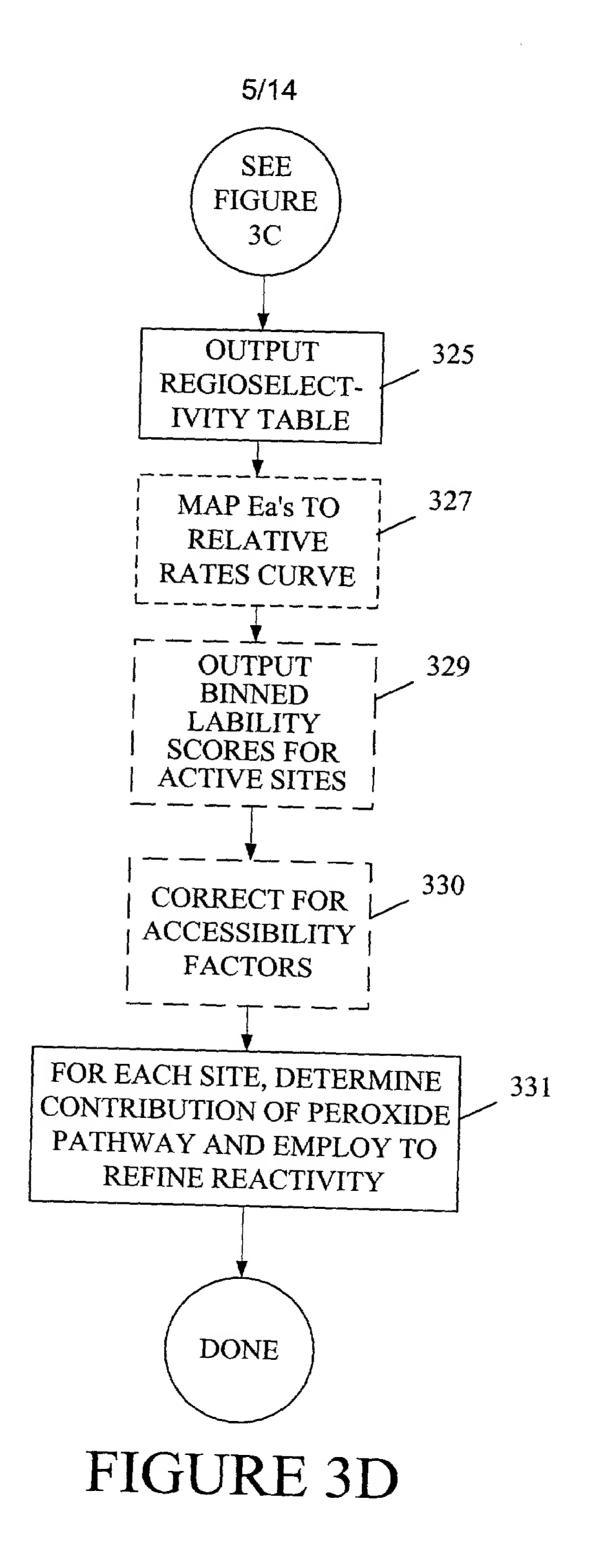


FIGURE 3E

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$$S + O_2 + NADPH \longrightarrow P + H_2O + NADP^+$$

$$S + O_2 + NADPH \longrightarrow S + H_2O_2 + NADP^+$$

$$S + O_2 + 2NADPH \longrightarrow S + 2H_2O + 2NADP^+$$

## FIGURE 4A

	$O_2$	NADPH	$H_2O_2$
Product formation	1	1	0
Peroxide decoupling	1	1	1
Water decoupling	1	2	0

FIGURE 4B

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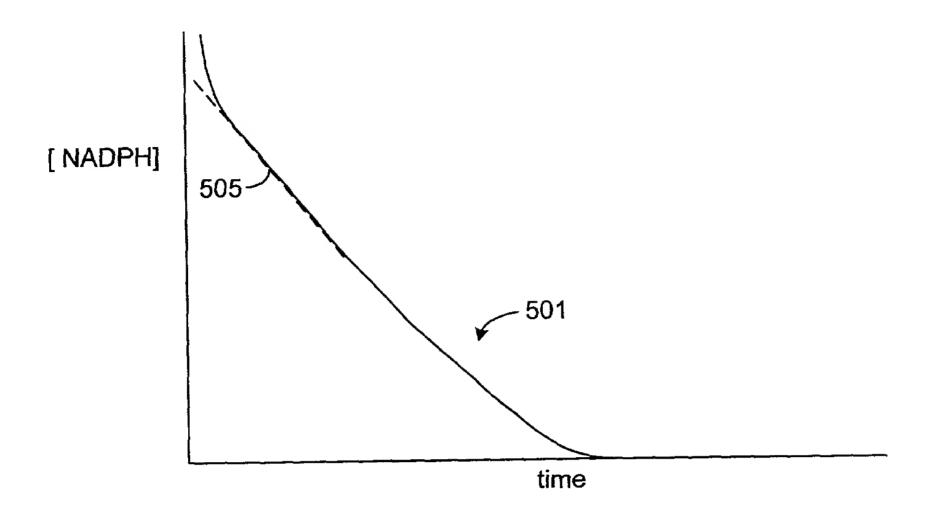


FIGURE 5A

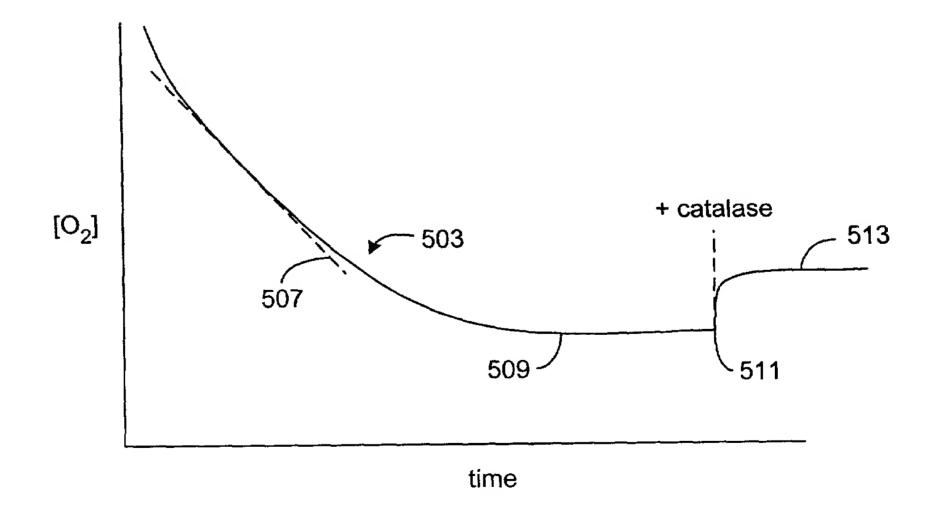


FIGURE 5B

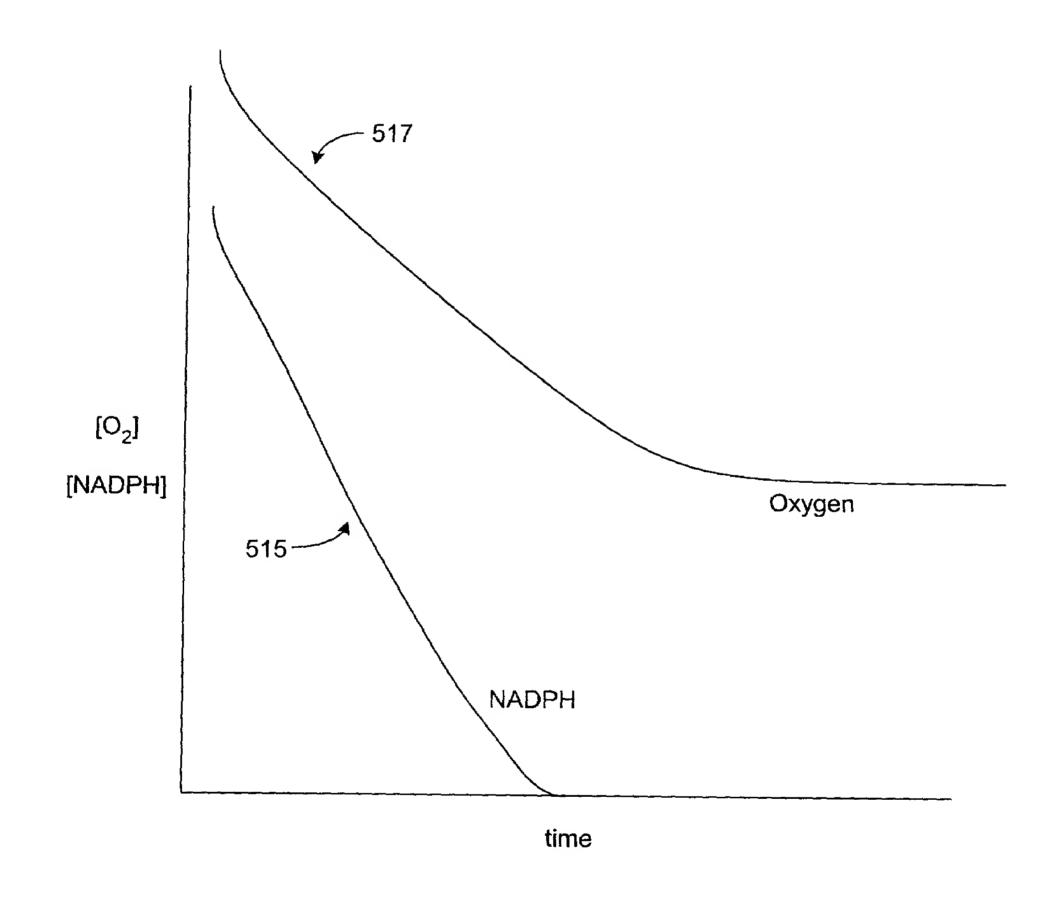
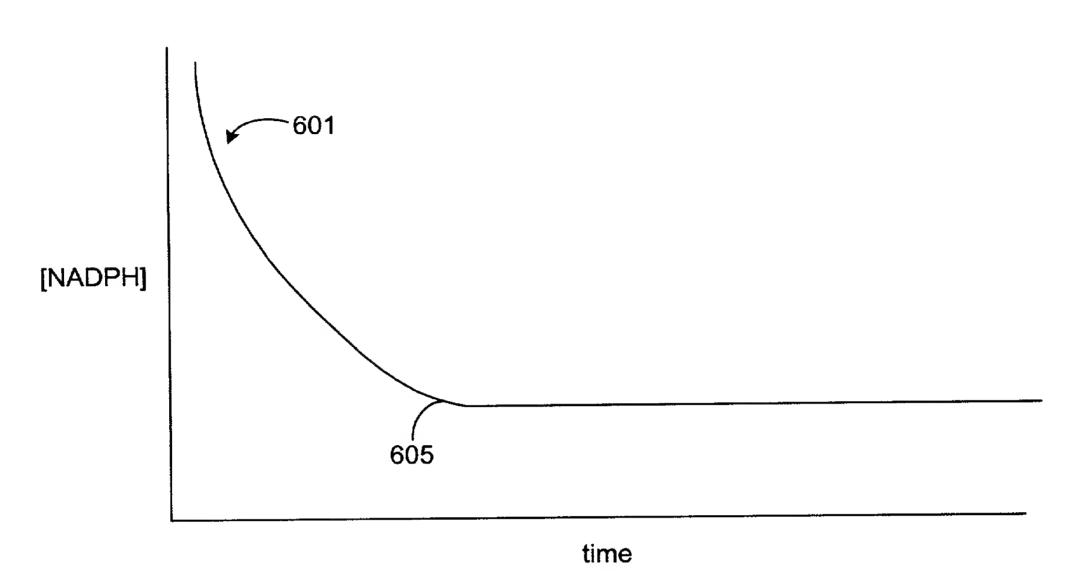


FIGURE 5C

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## FIGURE 6A

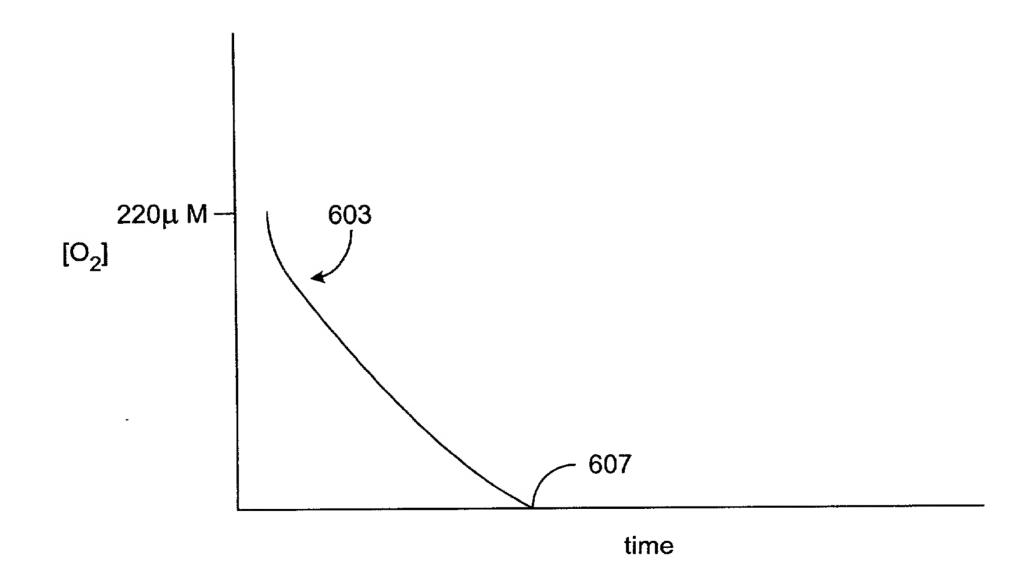


FIGURE 6B

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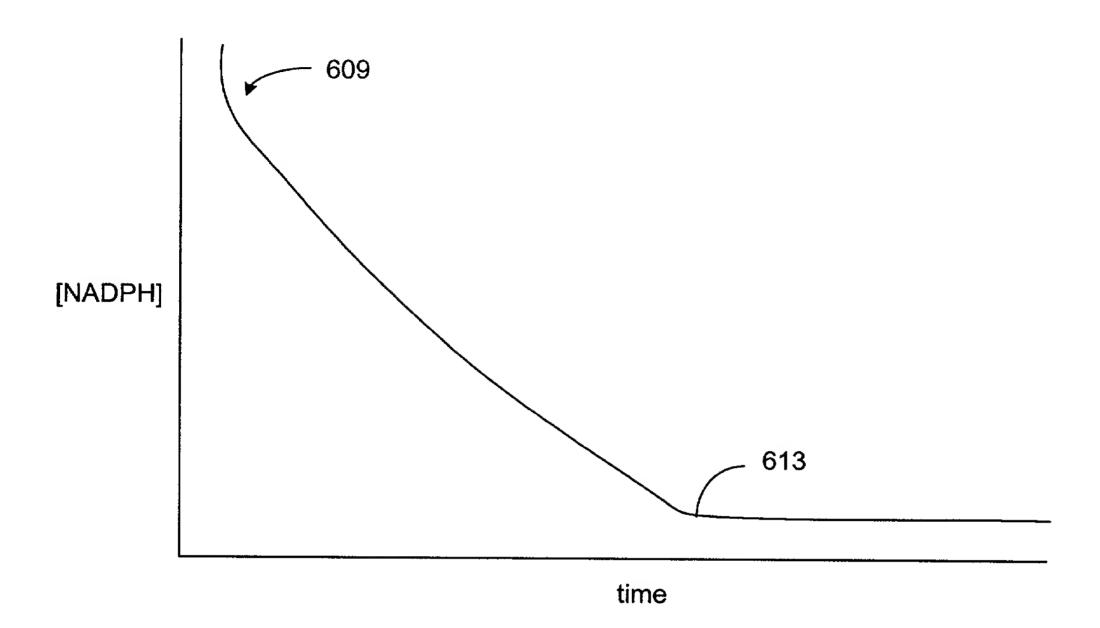


FIGURE 6C

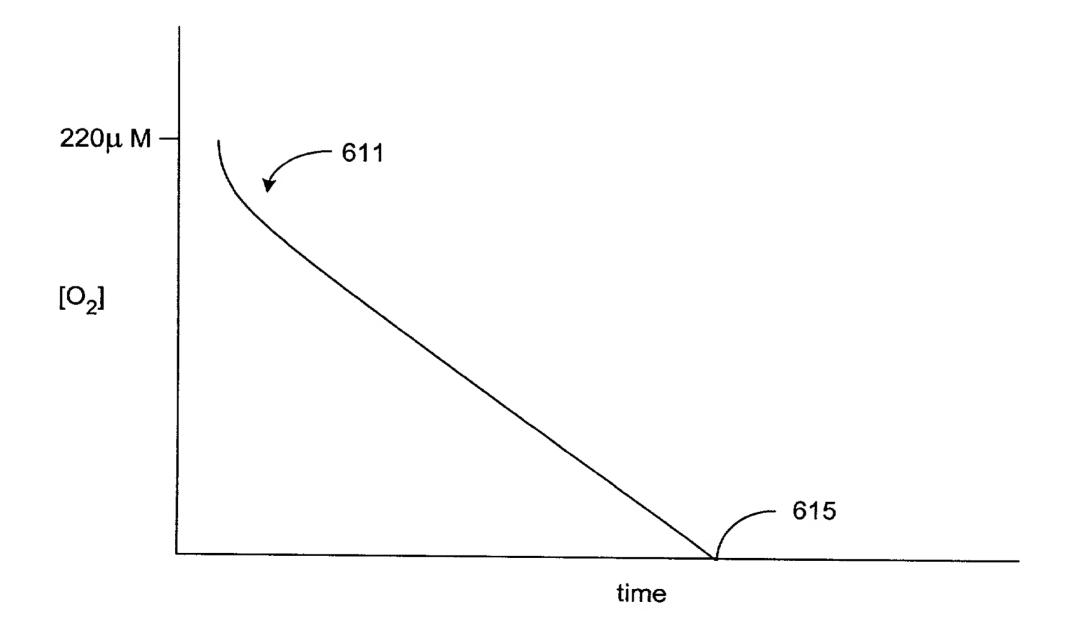


FIGURE 6D

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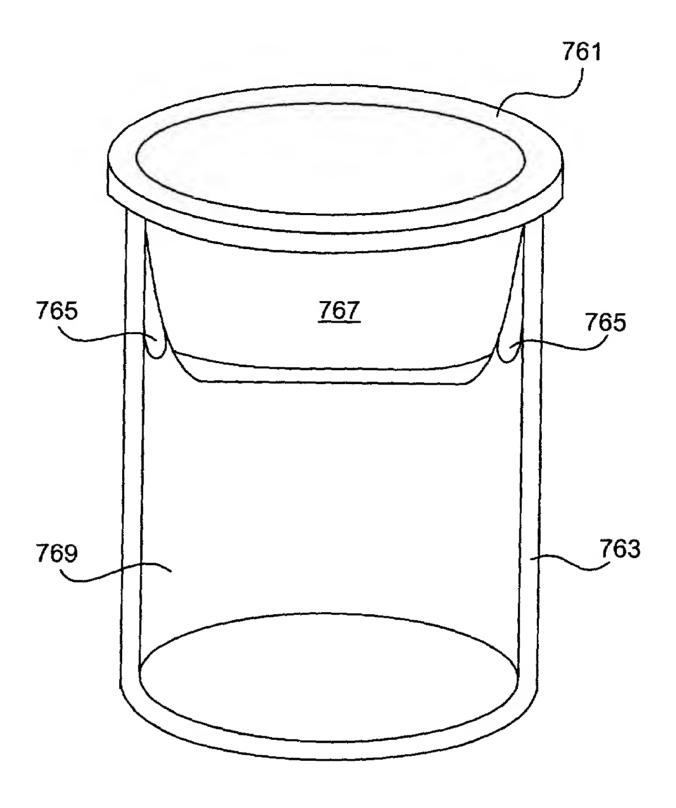
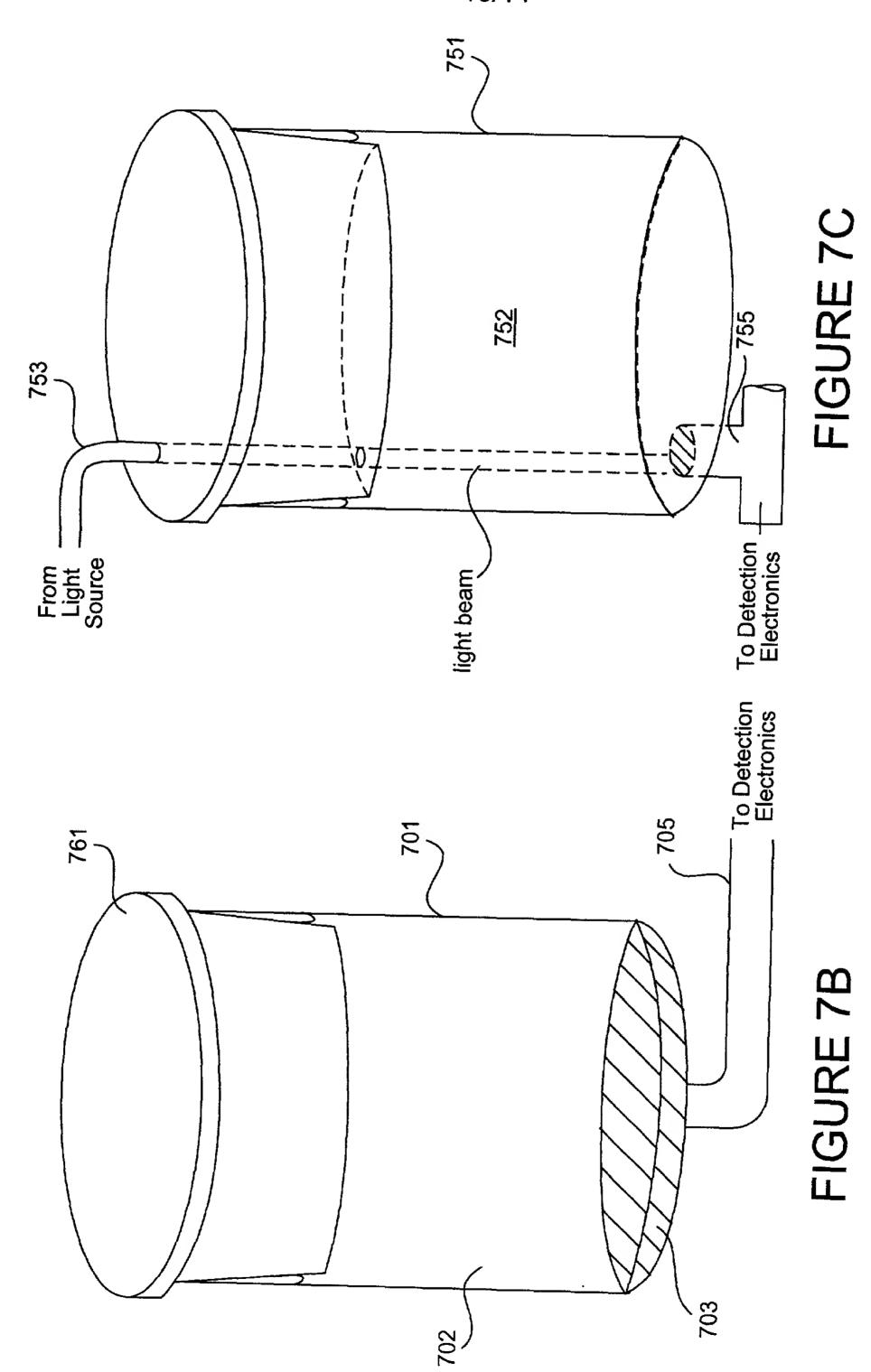


FIGURE 7A

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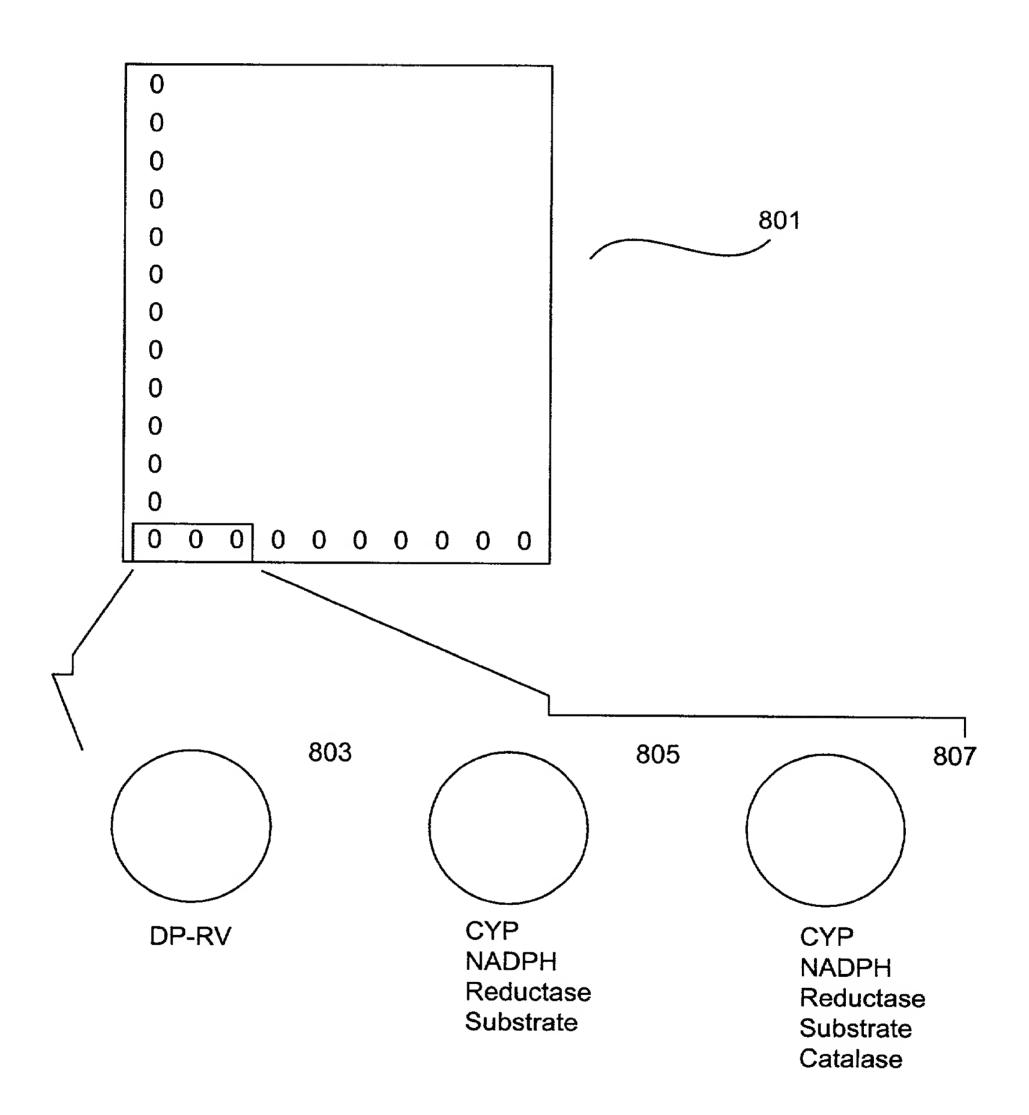


FIGURE 8